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A - [001] 014 03- 259 347 358 402 405 408 409 417 419 525 528 575 583 589
645 728

AP - JP19880197090 19880809 JP19880197090 19880809; [Previous Publ.
J02047101]

CPY - SHOS

DC - A96 B04 D21

FS - CPI

IC - C08B37/08

KS - 0229 1989 2095 2382 2386 2394 2396 2585 2676 2761 2766

MC - A03-A A10-A A12-V01 A12-V04 B04-C02E D08-B01

M1 - [01] J0 J011 J1 J111 J3 J321 K0 L8 L814 L832 L834 M210 M211 M262 M280
M281 M320 M423 M720 M903 M904 N134 N164 N425 N460 N512 N513 Q254 V735;
R03231-P; 1327-U 0502-U

PA - (SHOS) SHOWA SANGYO CO

PN - JP2047101 A 19900216 DW199013 004pp

- JP2893451B2 B2 19990524 DW199926 C08B37/08 004pp

PR - JP19880197090 19880809

XA - C1990-041891

XIC - C08B-037/08

AB - J02047101 Prepg. high mol. wt. hyaluronic acid comprises contacting a
soln. contg. hyaluronic acid with a filtering material having a pore
size of 0.05-1 microns and then treating according to the ordinary
method.

- USE - Used as base material of medicine and cosmetics.

- In an example, cocks crowns cut immediately after being killed are
collected and rapidly frozen with liq. nitrogen. 1kg of the cocks
crowns are chopped with a meat chopper. 2 kg of ice is added to the
chopped material to make a paste. The paste is sterilised for 3 sec.
at 130 deg.C and is rapidly cooled. 2 l of water is added and
controlled to a pH of 7.0. 30 mg of protease (Akutinaze E.) is added,
incubated at 50 deg.C for 3 hrs. and filtered to obtain a crude
hyaluronic acid soln. of 9.5 l. The soln. is treated with precise
filtering appts. at 30 deg.C to obtain 2.1 l of impermeable inner
soln. 5 w/v % cetylpyridinium soln. is added to the inner soln. The
ppte. is filtered out and dissolved in 0.5M NaCl soln. Then ethanol
is added and the concn. of ethanol is reached to 60 v/v % to obtain
the ppte. which is filtered and dried to obtain hyaluronic acid having
a purity of 101% and a mol.wt. of 1,900,000.

CN - R03231-P

DRL - 1327-U 0502-U

IW - HIGH MOLECULAR WEIGHT HYALURONIC ACID PREPARATION CONTACT SOLUTION
CONTAIN HYALURONIC ACID FILTER MATERIAL SPECIFIC PORE SIZE

IKW - HIGH MOLECULAR WEIGHT HYALURONIC ACID PREPARATION CONTACT SOLUTION
CONTAIN HYALURONIC ACID FILTER MATERIAL SPECIFIC PORE SIZE

NC - 001

OPD - 1988-08-09

ORD - 1990-02-16

PAW - (SHOS) SHOWA SANGYO CO

TI - High mol. wt. hyaluronic acid prepn. - involves contacting a soln.
contg. hyaluronic acid with a filtering material of specific pore size